

## H.I.D. lamps

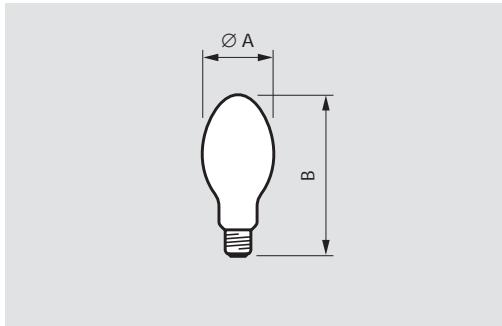
## HPL (-N)(-R) Comfort



HPL(-N) (Comfort)

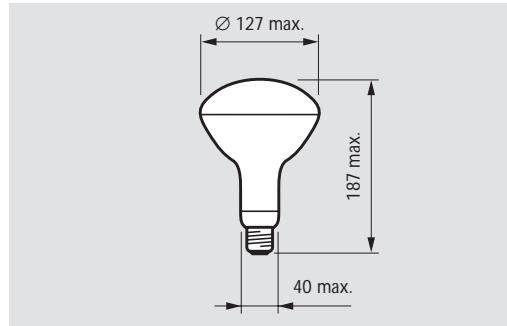


HPL-R



Dimensions in mm

| Type                  | A<br>max. | B<br>max. |
|-----------------------|-----------|-----------|
| Cap/base E27          |           |           |
| HPL Comfort 50W       | 56.00     | 130.00    |
| HPL Comfort 80W       | 71.00     | 155.00    |
| HPL Comfort 125W (HG) | 76.00     | 173.00    |
| HPL-N 50W/542         | 56.00     | 130.00    |
| HPL-N 80W/542         | 71.00     | 155.00    |
| HPL-N 125W HG/542     | 76.00     | 173.00    |



HPL-R 125 W HG E27

High-pressure mercury vapour lamps consist of a glass bulb, containing a gas for maintaining a constant temperature, and a quartz mercury vapour discharge tube. The lamps are equipped with a standard screw or bayonet base and one or two auxiliary electrodes to ensure quick and reliable ignition. Apart from a ballast, no special control gear is required.

The HPL-N has an internally coated ovoid outer bulb, providing a cool, bluish white light with reasonable colour qualities. The HPL Comfort has a special internal coating, providing a pleasant white light with increased

colour quality and luminous efficacy.

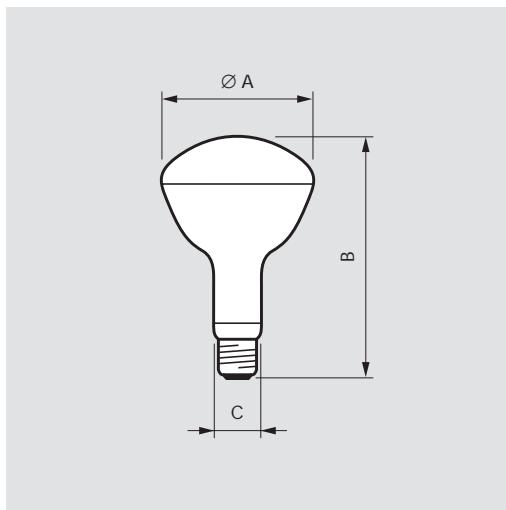
The HPL-R has a cone-shaped hard-glass bulb with an internal reflector directing the light to where it is needed.

### Applications

- HPL Comfort and HPL-N: pedestrian and residential areas, commercial and public buildings, factories, railway stations, schools, shops and petrol stations.
- HPL-R: high-bay in heavy industry e.g. iron foundries, paper mills, mines and quarries; also sign boards and decorative floodlighting.

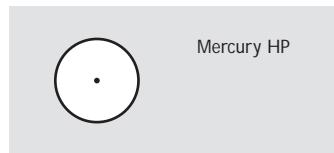
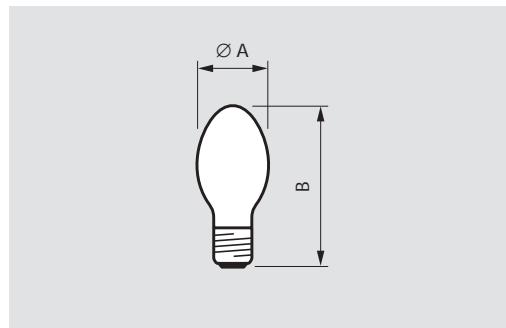
# H.I.D. lamps

# HPL (-N)(-R) Comfort



Dimensions in mm

| Type                | A<br>max. | B<br>max. | C<br>max. |
|---------------------|-----------|-----------|-----------|
| <u>Cap/base E40</u> |           |           |           |
| HPL-R 250W HG       | 162.50    | 259.00    | 50.00     |
| HPL-R 400W HG       | 178.50    | 299.00    | 50.00     |



Burning position

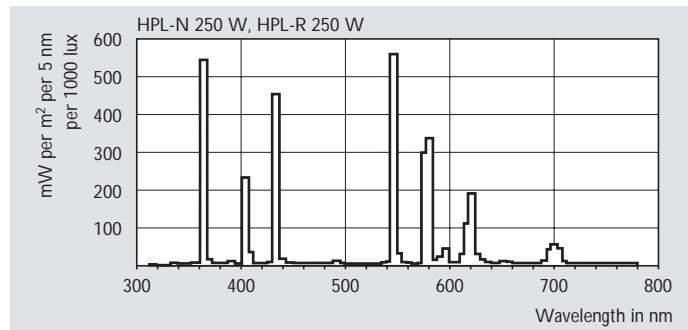
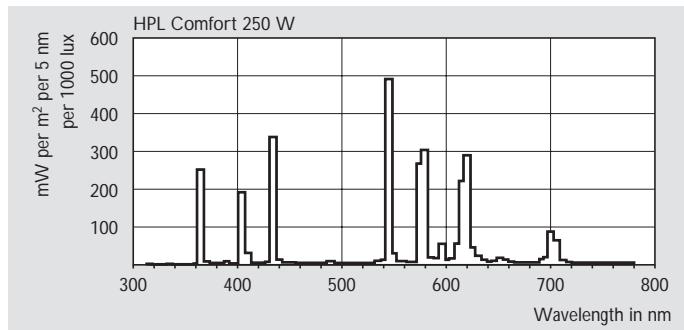
| Type                | A<br>max. | B<br>max. |
|---------------------|-----------|-----------|
| <u>Cap/base E40</u> |           |           |
| HPL Comfort 250W HG | 91.00     | 228.00    |
| HPL Comfort 400W HG | 121.50    | 290.00    |
| HPL-N 125W          | 76.00     | 184.00    |
| HPL-N 250W HG       | 91.00     | 228.00    |
| HPL-N 400W HG       | 121.50    | 290.00    |
| HPL-N 700W HG       | 141.50    | 328.00    |
| HPL-N 1000W HG      | 166.50    | 399.00    |

HG = Hard glass outer bulb

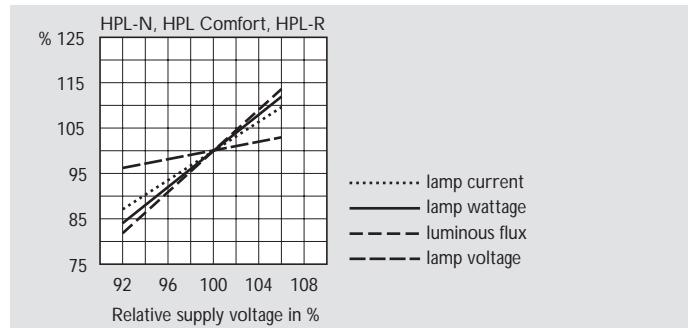
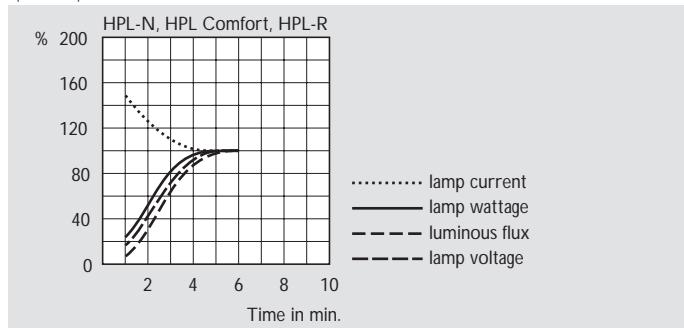
| Commercial name    | Wattage | Cap/<br>base | Lamp<br>wattage | Lamp<br>voltage | Lamp<br>current | Lumen<br>output | Correlated<br>colour<br>temp. | Chrom.<br>coord. | Chrom.<br>coord. | Colour<br>rendering<br>index | Maximum<br>permissible<br>base/pinch<br>temp.<br>degr.C | Maximum<br>permissible<br>bulb<br>temp.<br>degr.C | Nett<br>weight<br>g | EOC    |
|--------------------|---------|--------------|-----------------|-----------------|-----------------|-----------------|-------------------------------|------------------|------------------|------------------------------|---|---|---------------------|--------|
|                    | W       |              | W               | V               | A               | lm              | K                             | x                | y                |                              |   |   |                     |        |
| <b>HPL Comfort</b> |         |              |                 |                 |                 |                 |                               |                  |                  |                              |   |   |                     |        |
| HPL Comfort        | 250 HG  | E40          | 250             | 135             | 2.13            | 14200           | 3300                          | 419              | 392              | 51                           | 250   | 350   | 185                 | 181022 |
| HPL Comfort        | 400 HG  | E40          | 400             | 140             | 3.25            | 24200           | 3500                          | 413              | 392              | 47                           | 250   | 350   | 260                 | 181053 |
| <b>HPL-N</b>       |         |              |                 |                 |                 |                 |                               |                  |                  |                              |   |   |                     |        |
| HPL-N              | 50      | E27          | 50              | 95              | 0.61            | 1800            | 4200                          | 371              | 370              | 49                           | 200   | 350   | 46                  | 179913 |
| HPL-N              | 125     | E27          | 125             | 125             | 1.15            | 6200            | 4100                          | 374              | 373              | 46                           | 200   | 350   | 76                  | 180124 |
| HPL-N              | 125     | E40          | 125             | 125             | 1.15            | 6200            | 4100                          | 374              | 373              | 46                           | 200   | 350   | 110                 | 180308 |
| HPL-N              | 125 HG  | E27          | 125             | 125             | 1.15            | 6200            | 4100                          | 374              | 373              | 46                           | 200   | 350   | 90                  | 180155 |
| HPL-N              | 250 HG  | E40          | 250             | 135             | 2.10            | 12700           | 4100                          | 381              | 383              | 45                           | 250   | 350   | 184                 | 180605 |
| HPL-N              | 400 HG  | E40          | 400             | 140             | 3.25            | 22000           | 3900                          | 384              | 384              | 45                           | 250   | 350   | 26                  | 180452 |
| HPL-N              | 700 HG  | E40          | 700             | 145             | 5.40            | 38500           | 3900                          | 390              | 390              | 45                           | 250   | 350   | 344                 | 183910 |
| HPL-N              | 1000 HG | E40          | 1000            | 145             | 7.50            | 58500           | 3900                          | 390              | 395              | 36                           | 250   | 350   | 520                 | 184030 |
| <b>HPL-R</b>       |         |              |                 |                 |                 |                 |                               |                  |                  |                              |   |   |                     |        |
| HPL-R              | 125 HG  | E27          | 125             | 125             | 1.15            | 5700            | 4200                          | 371              | 387              | 43                           | 200   | 350   | 147                 | 183880 |
| HPL-R              | 250 HG  | E40          | 250             | 135             | 2.10            | 12000           | 4100                          | 381              | 394              | 37                           | 250   | 350   | 323                 | 183941 |
| HPL-R              | 400 HG  | E40          | 400             | 140             | 3.20            | 20500           | 3900                          | 382              | 402              | 36                           | 250   | 350   | 360                 | 183972 |

# H.I.D. lamps

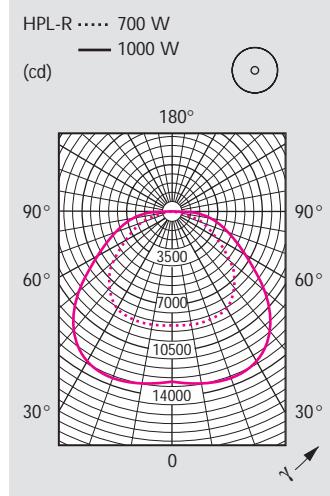
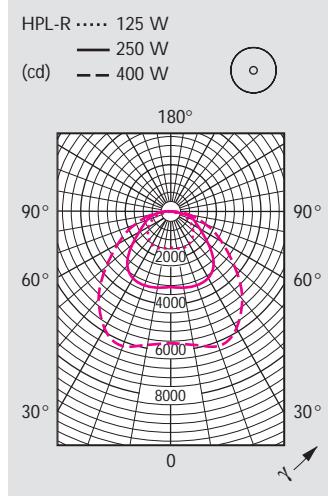
# HPL (-N)(-R) Comfort



Spectral power distributions



Lamp performance during run-up



Polar light distributions